10/18/83
A2575-1

American Petroleum Institute
2101 L Street, Northwest
Washington, D.C. 20037

weekly statistical bulletin

STATISTICS DEPARTMENT
VOL. 54 **For Week Ended** *OCTOBER* 7, 1983 **NO.** 40

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)
(All data are estimates made by the API based on data from reporting companies)

	Current Week Ending: 10/07/83	Last Week Ending: 09/30/83	Last Year Week Ending: 10/08/82	Change From Last Week	Change From Last Year
Refinery Operations					
Input to crude oil distillation units *	12,335	12,610	12,391	- 275	- 56
Operable capacity	16,294	16,294	16,663	0	- 369
Percent operated	75.7	77.4	74.4		
Motor Gasoline					
Total motor gasoline production	6,391	6,580	6,409	- 189	- 18
Finished leaded motor gasoline production	2,796	2,628	*N/A*	+ 168	*N/A*
Finished unleaded motor gasoline production	3,595	3,952	*N/A*	- 357	*N/A*
Total motor gasoline stocks	228,504	231,090	236,541	- 2,586	- 8,037
Finished leaded motor gasoline stocks	95,447	97,691	*N/A*	- 2,244	*N/A*
Finished unleaded motor gasoline stocks	94,102	93,501	96,823	+ 601	- 2,721
Distillate Fuel Oil					
Distillate fuel oil production	2,678	2,707	2,768	- 29	- 90
Distillate fuel oil stocks	157,766	153,833	165,348	+ 3,933	- 7,582
Residual Fuel Oil					
Residual fuel oil production	717	723	956	- 6	- 239
Residual fuel oil stocks	47,310	46,790	59,475	+ 520	- 12,165
Imports					
Crude oil imports	3,283	3,873	3,599	- 590	- 316
Product imports	1,865	1,676	1,197	+ 189	+ 668
Crude Oil Stocks					
Crude oil stocks	349,450	347,528	348,353	+ 1,922	+ 1,097

* *SCHEDULED AND UNSCHEDULED SHUTDOWNS CAUSED A DECREASE OF* 164,000 *BBL. PER DAY IN THE LOUISIANA GULF COAST DISTRICT.*

Total U.S. data for the current week's refinery operations, production, stocks and imports are available through a pre-recorded telephone message. The telephone number for this service is area code (202) 682-8516 *EFFECTIVE* 10/17/83

NA-Not Available

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U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Input to Crude Oil Distillation Units	Operable Capacity	% Operated
East Coast	1,060	1,055	1,088	1,229	88.5
Appal. No. 1	82	78	78	177	44.1
DISTRICT 1 TOTAL	1,142	1,133	1,166	1,406	82.9
Appal. No. 2	56	54	56	66	84.8
Ind., Ill., Ky.	1,893	1,853	1,888	2,345	80.5
Minn., Wis., Daks.	197	188	196	296	66.2
Okla., Kans., Mo.	678	615	633	827	76.5
DISTRICT 2 TOTAL	2,824	2,710	2,773	3,534	78.5
Inland Texas	519	498	505	585	86.3
Texas Gulf Coast	3,396	3,087	3,176	3,907	81.3
La. Gulf Coast	2,025	1,941	1,954	2,875	68.0
N. La. and Ark.	194	187	193	286	67.5
New Mexico	99	81	82	105	78.1
DISTRICT 3 TOTAL	6,233	5,794	5,910	7,758	76.2
DISTRICT 4 TOTAL	454	463	466	536	86.9
DISTRICT 5 TOTAL	1,955	1,967	2,020	3,060	66.0
TOTAL U.S.	12,608	12,067	12,335	16,294	75.7
TOTAL U.S. Weeks Ended:					
SEP. 30, 1983	13,168	12,335	12,610	16,294	77.4
OCT. 8, 1982	13,085	12,053	12,391	16,663	74.4
DISTRICTS 1–4 Weeks Ended:					
OCT. 7, 1983	10,653	10,100	10,315	13,234	77.9
SEP. 30, 1983	11,152	10,324	10,541	13,234	79.7
OCT. 8, 1982	11,030	10,091	10,394	13,580	76.5

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U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline[1]	Motor Gasoline		Jet Fuel		Distillate Fuel Oil[2]	Residual Fuel Oil
		Finished Leaded	Finished Unleaded	Naphtha Type	Kerosine Type		
East Coast	573	205	368	1	32	265	74
Appal. No. 1	24	11	13	1	--	20	3
DISTRICT 1 TOTAL	597	216	381	2	32	285	77
Appal. No. 2	36	19	17	--	--	12	3
Ind., Ill., Ky.	1,024	464	560	16	84	396	33
Minn., Wis., Daks.	123	48	75	3	11	45	7
Okla., Kans., Mo.	420	213	207	6	27	185	11
DISTRICT 2 TOTAL	1,603	744	859	25	122	638	54
Inland Texas	285	166	119	23	20	109	19
Texas Gulf Coast	1,515	598	917	27	253	695	219
La. Gulf Coast	1,122	491	631	27	173	423	63
N. La. and Ark.	62	24	38	3	--	60	9
New Mexico	40	22	18	11	1	26	2
DISTRICT 3 TOTAL	3,024	1,301	1,723	91	447	1,313	312
DISTRICT 4 TOTAL	222	138	84	10	22	123	10
DISTRICT 5 TOTAL	945	397	548	56	205	319	264
TOTAL U.S.	6,391	2,796	3,595	184	828	2,678	717
TOTAL U.S. **Weeks Ended:**							
SEP. 30, 1983	6,580	2,628	3,952	182	820	2,707	723
OCT. 8, 1982	6,409	*N/A*	*N/A*	195	706	2,768	956
DISTRICTS 1-4 **Weeks Ended:**							
OCT. 7, 1983	5,446	2,399	3,047	128	623	2,359	453
SEP. 30, 1983	5,581	2,155	3,426	144	600	2,339	464
OCT. 8, 1982	5,395	*N/A*	*N/A*	153	498	2,450	658

[1]Total motor gasoline is equal to the sum of finished leaded and finished unleaded motor gasoline.
[2]Includes Grade No. 4 fuel oil.

NA-Not Available

API WEEKLY STATISTICAL BULLETIN
Week Ended *OCTOBER* 7, 1983

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline[1]	Motor Gasoline			Jet Fuel		Distillate Fuel Oil[2]	Residual Fuel Oil	Unfinished Oils
		Finished Leaded	Finished Unleaded	Blending Components	Naphtha Type	Kerosine Type			
New England	5,559	3,036	2,522	1	112	610	13,053	2,481	--
Central Atlantic	30,873	12,597	12,991	5,285	248	4,418	42,413	15,955	15,318
Lower Atlantic	27,821	14,451	13,024	346	212	3,659	14,638	3,803	577
DISTRICT 1 TOTAL	64,253	30,084	28,537	5,632	572	8,687	70,104	22,239	15,895
DISTRICT 2 TOTAL	65,686	29,836	28,700	7,150	1,555	7,481	40,092●	3,471	16,826
DISTRICT 3 TOTAL	63,787	23,403	23,870	16,514	2,660	10,257	34,547	12,804	54,832
DISTRICT 4 TOTAL	6,347●	2,927●	1,651●	1,769	324	675	2,607●	460	2,735
DISTRICT 5 TOTAL	28,431	9,197	11,344	7,890	1,609	5,893	10,416	8,336	23,773
TOTAL U.S.	228,504	95,447	94,102	38,955	6,720	32,993	157,766	47,310	114,061
TOTAL U.S.									
Weeks Ended:									
SEP. 30, 1983	231,090●	97,691●	93,501●	39,898	6,601	34,643	153,833●	46,790	113,948
OCT. 8, 1982	236,541	*N/A*	96,823	*N/A*	5,759	32,368	165,348	59,475	117,283
DISTRICTS 1-4									
Weeks Ended:									
OCT. 7, 1983	200,073	86,250	82,758	31,065	5,111	27,100	147,350	38,974	90,288
SEP. 30, 1983	201,393●	87,983●	82,187●	31,223	4,894	28,722	142,778●	38,937	90,091
OCT. 8, 1982	209,072	*N/A*	86,611	*N/A*	4,509	26,769	155,135	49,769	91,548

[1]Total motor gasoline stocks is equal to the sum of finished leaded stocks, finished unleaded stocks and motor gasoline blending components.

[2]Includes Grade No. 4 fuel oil.

● *SEE REVISIONS ON PAGE 7.*

NA-Not Available

WEEKLY STATISTICAL BULLETIN
Week Ended *OCTOBER* 7, 1983

ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE), IMPORTS AND STOCKS OF CRUDE OIL

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production[1] API Monthly	Estimated Domestic Production[1] Latest Dept. of Energy *MAY* 1983	Crude Oil Imports[1] Total	Crude Oil Imports[1] From Canada	Crude Oil Stocks By Location[1]
		Daily Average			
DISTRICTS 1-4 TOTAL					
OCT. 7, 1983	5,850.0	5,828.0	3,063	237	265,874
SEP. 30, 1983	5,850.0	--	3,777	227	264,192
SEP. 23, 1983	5,850.0	--	4,146	292	263,898
SEP. 16, 1983	5,850.0	--	3,889	282	266,386
DISTRICT 5 TOTAL					
OCT. 7, 1983	2,860.0	2,787.0	220	--	83,576 *
SEP. 30, 1983	2,860.0	--	96	8	83,336
SEP. 23, 1983	2,860.0	--	224	7	83,875
SEP. 16, 1983	2,860.0	--	129	--	82,998
TOTAL U.S.					
OCT. 7, 1983	8,710.0	8,615.0	3,283	237	349,450 *
SEP. 30, 1983	8,710.0	--	3,873	235	347,528
SEP. 23, 1983	8,710.0	--	4,370	299	347,773
SEP. 16, 1983	8,710.0	--	4,018	282	349,384
OCT. 8, 1982	8,683.6 */A*	--	3,599	177	348,353

**INCLUDES 24,592 BBLS. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.*

/A - DOE ACTUAL FOR SEPTEMBER 1982.

LOCATION OF CRUDE OIL STOCKS[1]

(In thousands of 42-gallon barrels)

Location	District 1	District 2	District 3	District 4	Districts 1–4	District 5	Total U.S.
Weeks Ended:							
OCT. 7, 1983	16,095	76,482	160,320	12,977	265,874	83,576 *	349,450 *
SEP. 30, 1983	14,869	76,100	160,136	13,087	264,192	83,336	347,528
OCT. 8, 1982	18,245	70,157	150,694	11,927	251,023	97,330	348,353

[1]See definitional notes, Page 6.

API WEEKLY STATISTICAL BULLETIN
Week Ended *OCTOBER* 7, 1983

IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

	Total Motor Gasoline[1]	Motor Gasoline: Finished Leaded	Motor Gasoline: Finished Unleaded	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Distillate Fuel Oil[2]	Residual Fuel Oil	L.P.G.	Unfinished Oil[3]	Other	Total
New England	18	--	18	--	--	--	22	--	--	--	40
Central Atlantic	243	143	100	--	37	228	619	5	86	118	1,336
Lower Atlantic	--	--	--	--	--	--	103	--	--	--	103
DISTRICT 1 TOTAL											
OCT. 7, 1983	261	143	118	--	37	228	744	5	86	118	1,479
SEP. 30, 1983	261	146	115	--	8	181	607	3	85	43	1,188
SEP. 23, 1983	229	89	140	--	42	204	662	6	150	143	1,436
SEP. 16, 1983	160	50	110	--	57	189	570	7	71	124	1,178
DISTRICTS 2-4 TOTAL											
OCT. 7, 1983	3	3	--	--	6	15	27	99	116	39	305
SEP. 30, 1983	34	34	--	--	10	3	27	96	99	55	324
SEP. 23, 1983	2	2	--	--	5	4	64	103	200	17	395
SEP. 16, 1983	4	4	--	--	32	5	15	147	216	12	431
DISTRICT 5 TOTAL											
OCT. 7, 1983	28	17	11	--	2	5	26	8	2	10	81
SEP. 30, 1983	43	22	21	--	3	5	54	14	8	37	164
SEP. 23, 1983	42	34	8	--	3	4	55	8	--	10	122
SEP. 16, 1983	26	18	8	--	3	5	26	11	53	9	133
TOTAL U.S.	292	163	129	--	45	248	797	112	204	167	1,865
TOTAL U.S. Weeks Ended:											
SEP. 30, 1983	338	202	136	--	21	189	688	113	192	135	1,676
SEP. 23, 1983	273	125	148	--	50	212	781	117	350	170	1,953
SEP. 16, 1983	190	72	118	--	92	199	611	165	340	145	1,742
OCT. 8, 1982	188	*N/A*	62	--	--	78	596	177	146	17	1,197

[1]Total motor gasoline imports is equal to the sum of finished leaded imports and finished unleaded imports.

[2]Includes Grade No. 4 fuel oil.

[3]See definitional notes, Page 6.

NA-Not Available

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded and leaded motor gasoline represent only finished motor gasoline located at refineries, pipelines and bulk terminals. A large portion of motor gasoline stocks at refineries consists of components which may be blended or compounded to produce either finished leaded or unleaded motor gasoline. Consequently, these stocks cannot be classified as either finished leaded or unleaded motor gasoline. The sum of finished leaded and unleaded motor gasoline stocks plus the component stocks equals total motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and the District of Columbia.
Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month. This estimate may be revised at a subseguent date as more current information is received.

Crude Oil Imports

Refinery receipts of foreign origin.
The Total of crude oil imports includes receipts from Canada.
Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.
Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

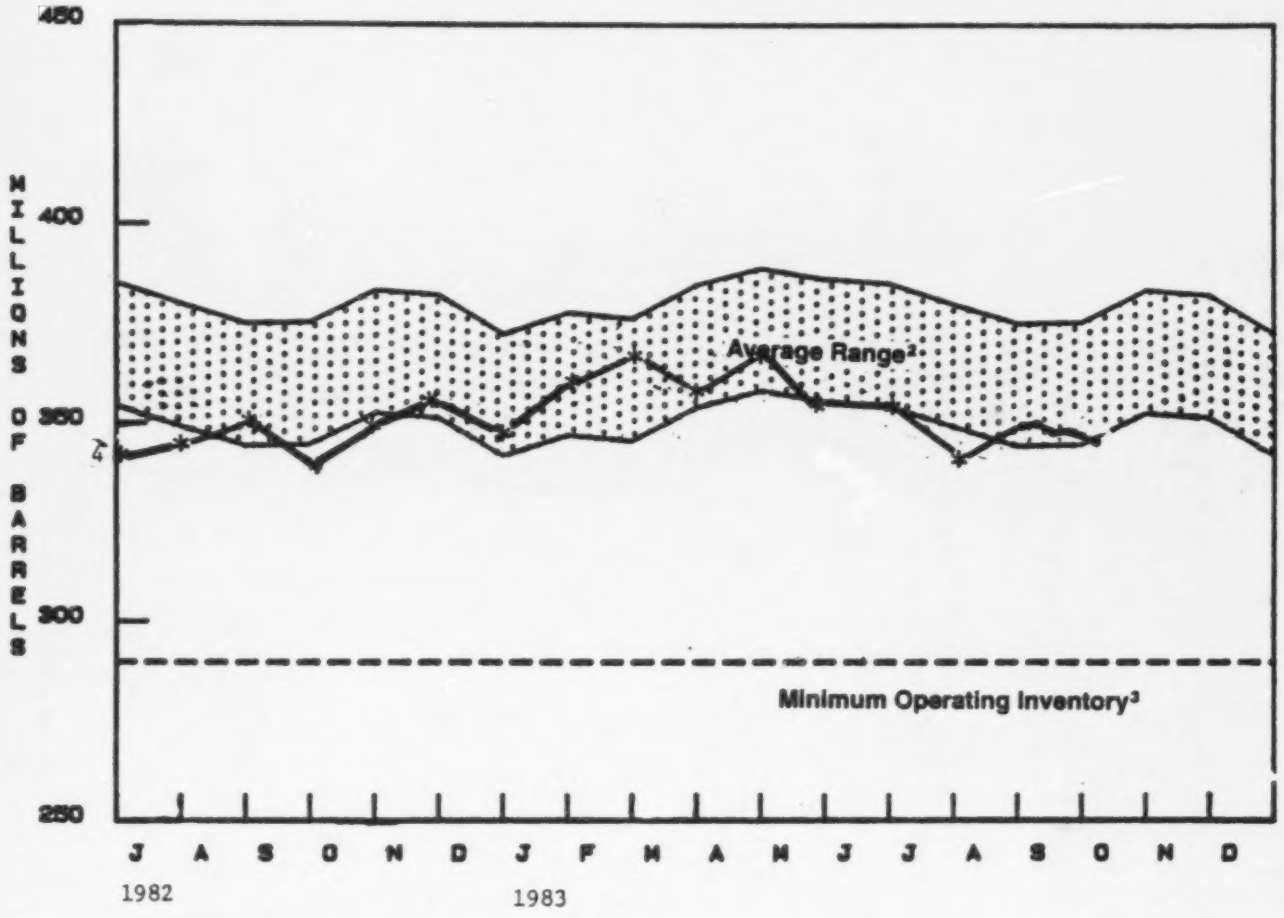
Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE monthly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

REVISIONS

9/30/83	PAGE 3	TOTAL MGAS	DISTRICT 4 TOTAL	6,080
			TOTAL U.S.	231,090
			DISTRICTS 1-4	201,393
		LEADED MGAS	DISTRICT 4 TOTAL	3,017
			TOTAL U.S.	97,691
			DISTRICTS 1-4	87,983
		UNLEADED MGAS	DISTRICT 4 TOTAL	1,658
			TOTAL U.S.	93,501
			DISTRICTS 1-4	82,187
		DISTILLATE FUEL	DISTRICT 2 TOTAL	39,536
			DISTRICT 4 TOTAL	2,742
			TOTAL U.S.	153,833
			DISTRICTS 1-4	142,778

Week Ended October 7, 1983

Crude Oil Stocks at Primary Level[1] [5]



[1]Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries, in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

[2]Average level, width of average range, estimated by DOE, and observed minimum are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January-1975-December 1981.

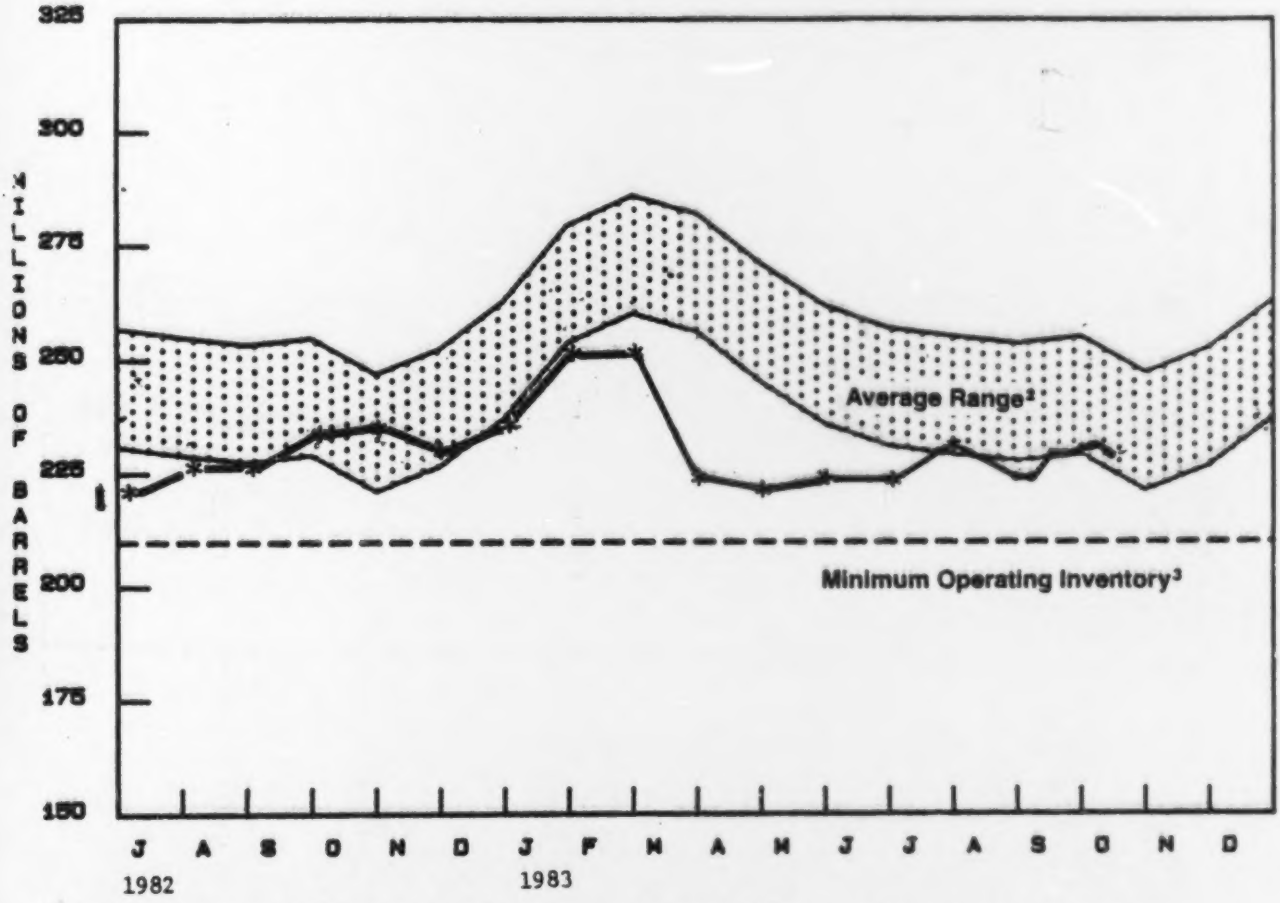
[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Week Ended October 7, 1983

Motor Gasoline Stocks at Primary Level[1,5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
•— API, "Weekly Statistical Bulletin."

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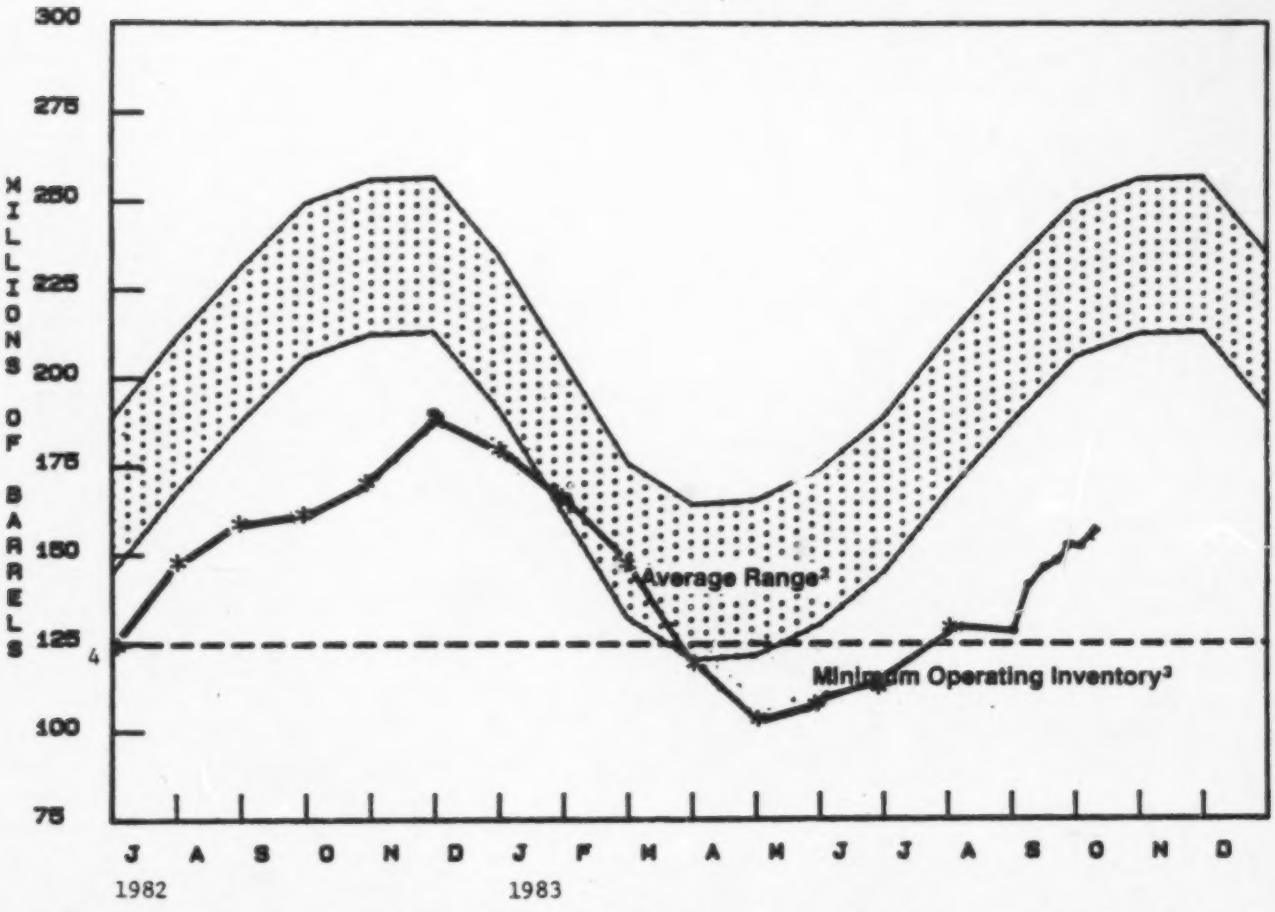
Distillate Fuel Oil Stocks at Primary Level[1] [5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

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[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
•— API, "Weekly Statistical Bulletin."

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